Appendix E

Environmental Justice Reports
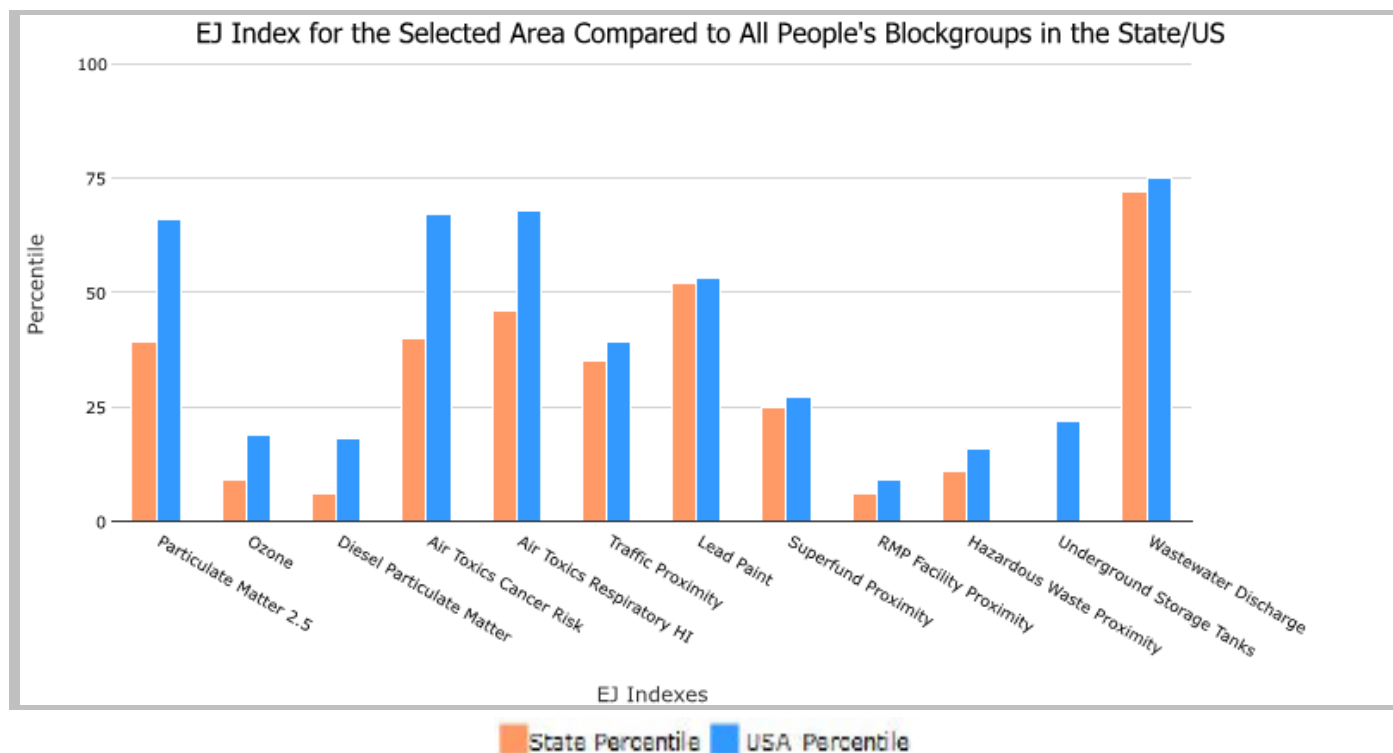
EJScreen Report (Version 2.1)

3 miles Ring around the Area, LOUISIANA, EPA Region 6

Approximate Population: 373

Input Area (sq. miles): 53.88

LGF Biorefinery with Well Pads 3 Mile

Selected Variables	State Percentile	USA Percentile
Environmental Justice Indexes		
EJ Index for Particulate Matter 2.5	39	66
EJ Index for Ozone	9	19
EJ Index for Diesel Particulate Matter[*]	6	18
EJ Index for Air Toxics Cancer Risk[*]	40	67
EJ Index for Air Toxics Respiratory HI[*]	46	68
EJ Index for Traffic Proximity	35	39
EJ Index for Lead Paint	52	53
EJ Index for Superfund Proximity	25	27
EJ Index for RMP Facility Proximity	6	9
EJ Index for Hazardous Waste Proximity	11	16
EJ Index for Underground Storage Tanks	0	22
EJ Index for Wastewater Discharge	72	75

EJ Index for the Selected Area Compared to All People's Blockgroups in the State/US
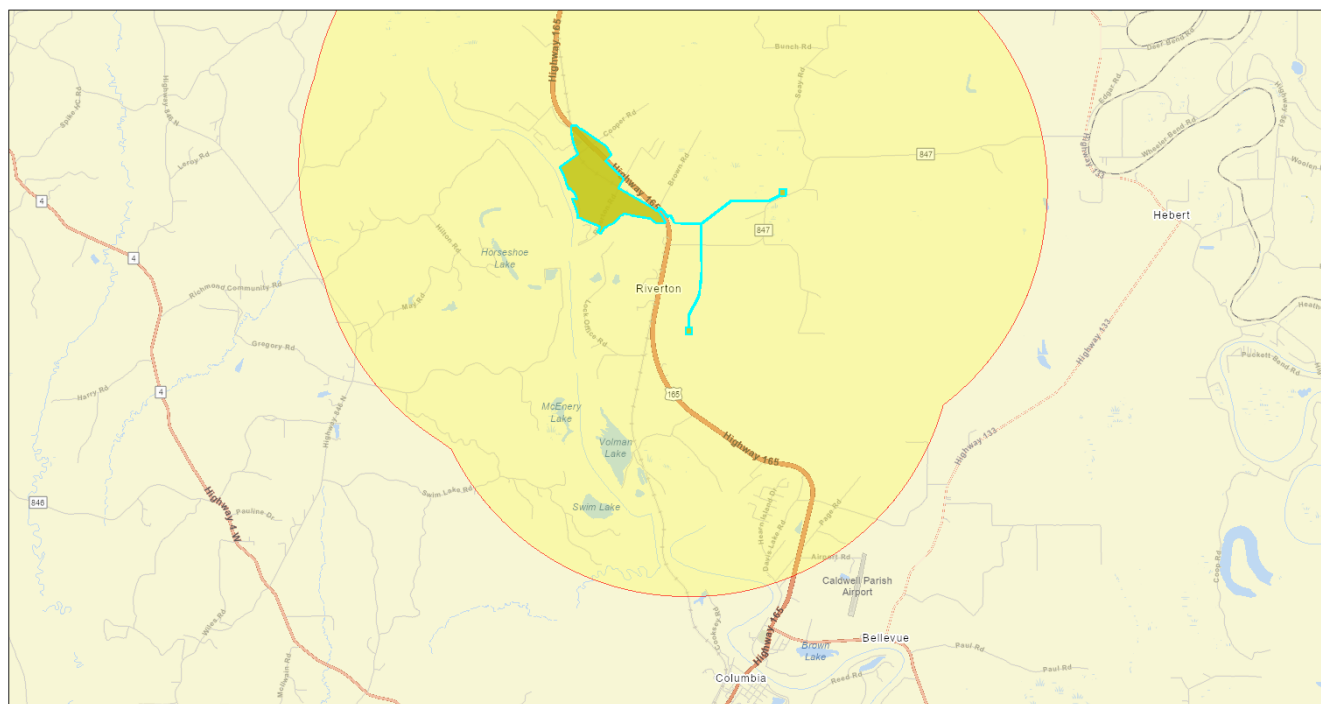
This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

3 miles Ring around the Area, LOUISIANA, EPA Region 6
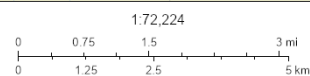
Approximate Population: 373
Input Area (sq. miles): 53.88
LGF Biorefinery with Well Pads 3 Mile

January 16, 2023

1:72,224

LGF Biorefinery with Well Pads 3 Mile

biofuels_property_singlewproppipelinewellspads

| 0 | 0.75 | 1.5 | 3 mi |
| 0 | 1.25 | 2.5 | 5 km |

CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc,
METI/NASA, USGS, EPA, NPS, USDA

Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

Approximate Population: 373
Input Area (sq. miles): 53.88
LGF Biorefinery with Well Pads 3 Mile

Selected Variables	Value	State Avg.	%ile in State	USA Avg.	%ile in USA
Pollution and Sources					
Particulate Matter 2.5 ($\mu g/m^3$)	8.83	9.2	29	8.67	57
Ozone (ppb)	34.7	37	6	42.5	10
Diesel Particulate Matter* ($\mu g/m^3$)	0.0799	0.297	3	0.294	<50th
Air Toxics Cancer Risk* (lifetime risk per million)	30	40	52	28	80-90th
Air Toxics Respiratory HI*	0.4	0.45	62	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	57	640	27	760	25
Lead Paint (% Pre-1960 Housing)	0.11	0.2	45	0.27	36
Superfund Proximity (site count/km distance)	0.017	0.076	17	0.13	14
RMP Facility Proximity (facility count/km distance)	0.041	0.96	3	0.77	4
Hazardous Waste Proximity (facility count/km distance)	0.041	1.4	6	2.2	7
Underground Storage Tanks (count/km²)	0.0094	2.2	14	3.9	22
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.014	0.37	80	12	72
Socioeconomic Indicators					
Demographic Index	36%	41%	50	35%	60
People of Color	21%	42%	35	40%	40
Low Income	52%	38%	68	30%	81
Unemployment Rate	12%	7%	80	5%	87
Limited English Speaking Households	0%	2%	0	5%	0
Less Than High School Education	7%	14%	31	12%	43
Under Age 5	4%	7%	42	6%	39
Over Age 64	15%	15%	53	16%	48

*Diesel particular matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: https://www.epa.gov/haps/air-toxics-data-update.

For additional information, see: www.epa.gov/environmentaljustice

APPENDIX B
EJSCREEN AMERICAN COMMUNITY SURVEY (ACS)
SUMMARY REPORT

EJSCREEN ACS Summary Report

Location: User-specified polygonal location
Ring (buffer): 3-miles radius
Description: LGF Biorefinery with Well Pads 3 Mile

Summary of ACS Estimates	2016 - 2020
Population	373
Population Density (per sq. mile)	7
People of Color Population	77
% People of Color Population	21%
Households	224
Housing Units	283
Housing Units Built Before 1950	29
Per Capita Income	29,200
Land Area (sq. miles) (Source: SF1)	50.37
% Land Area	97%
Water Area (sq. miles) (Source: SF1)	1.75
% Water Area	3%

	2016 - 2020 ACS Estimates	Percent	MOE (±)
Population by Race			
Total	373	100%	281
Population Reporting One Race	373	100%	627
White	298	80%	215
Black	58	16%	263
American Indian	18	5%	41
Asian	0	0%	14
Pacific Islander	0	0%	14
Some Other Race	0	0%	80
Population Reporting Two or More Races	0	0%	48
Total Hispanic Population	1	0%	80
Total Non-Hispanic Population	372		
White Alone	297	79%	215
Black Alone	58	16%	263
American Indian Alone	18	5%	41
Non-Hispanic Asian Alone	0	0%	14
Pacific Islander Alone	0	0%	14
Other Race Alone	0	0%	14
Two or More Races Alone	0	0%	48
Population by Sex			
Male	247	66%	214
Female	126	34%	144
Population by Age			
Age 0-4	15	4%	57
Age 0-17	37	10%	143
Age 18+	337	90%	260
Age 65+	56	15%	94

Location: User-specified polygonal location
Ring (buffer): 3-miles radius
Description: LGF Biorefinery with Well Pads 3 Mile

	2016 - 2020 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	282	100%	221
Less than 9th Grade	12	4%	50
9th - 12th Grade, No Diploma	7	2%	86
High School Graduate	91	32%	166
Some College, No Degree	89	32%	74
Associate Degree	0	0%	37
Bachelor's Degree or more	82	29%	79
Population Age 5+ Years by Ability to Speak English			
Total	359	100%	261
Speak only English	359	100%	217
Non-English at Home[1+2+3+4]	0	0%	38
[1]Speak English "very well"	0	0%	37
[2]Speak English "well"	0	0%	14
[3]Speak English "not well"	0	0%	15
[4]Speak English "not at all"	0	0%	14
[3+4]Speak English "less than well"	0	0%	15
[2+3+4]Speak English "less than very well"	0	0%	15
Linguistically Isolated Households*			
Total	0	100%	15
Speak Spanish	0	100%	14
Speak Other Indo-European Languages	0	0%	14
Speak Asian-Pacific Island Languages	0	0%	14
Speak Other Languages	0	0%	14
Households by Household Income			
Household Income Base	224	100%	108
< $15,000	105	47%	98
$15,000 - $25,000	29	13%	42
$25,000 - $50,000	34	15%	77
$50,000 - $75,000	27	12%	63
$75,000 +	29	13%	71
Occupied Housing Units by Tenure			
Total	224	100%	108
Owner Occupied	125	56%	101
Renter Occupied	99	44%	92
Employed Population Age 16+ Years			
Total	338	100%	219
In Labor Force	137	41%	206
Civilian Unemployed in Labor Force	17	5%	36
Not In Labor Force	201	59%	164

Location: User-specified polygonal location

Ring (buffer): 3-miles radius

Description: LGF Biorefinery with Well Pads 3 Mile

	2016 - 2020 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	521	100%	362
English	521	100%	362
Spanish	0	0%	14
French, Haitian, or Cajun	0	0%	14
German or other West Germanic	0	0%	14
Russian, Polish, or Other Slavic	0	0%	14
Other Indo-European	0	0%	14
Korean	0	0%	14
Chinese (including Mandarin, Cantonese)	0	0%	14
Vietnamese	0	0%	14
Tagalog (including Filipino)	0	0%	14
Other Asian and Pacific Island	0	0%	14
Arabic	0	0%	14
Other and Unspecified	0	0%	14
Total Non-English	0	0%	512

Data Note: Detail may not sum to totals due to rounding. Hispanic popultion can be of any race.
N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020.
*Population by Language Spoken at Home is available at the census tract summary level and up.

APPENDIX C
EJSCREEN CENSUS 2010 SUMMARY REPORT

EJSCREEN Census 2010 Summary Report

Location: User-specified polygonal location
Ring (buffer): 3-miles radius
Description: LGF Biorefinery with Well Pads 3 Mile

Summary	Census 2010
Population	562
Population Density (per sq. mile)	10
People of Color Population	121
% People of Color Population	22%
Households	236
Housing Units	295
Land Area (sq. miles)	57.93
% Land Area	97%
Water Area (sq. miles)	1.88
% Water Area	3%

Population by Race	Number	Percent
Total	562	-------
Population Reporting One Race	557	99%
White	454	81%
Black	100	18%
American Indian	2	0%
Asian	1	0%
Pacific Islander	0	0%
Some Other Race	1	0%
Population Reporting Two or More Races	5	1%
Total Hispanic Population	19	3%
Total Non-Hispanic Population	543	97%
White Alone	441	78%
Black Alone	96	17%
American Indian Alone	0	0%
Non-Hispanic Asian Alone	1	0%
Pacific Islander Alone	0	0%
Other Race Alone	0	0%
Two or More Races Alone	5	1%

Population by Sex	Number	Percent
Male	266	47%
Female	296	53%

Population by Age	Number	Percent
Age 0-4	38	7%
Age 0-17	143	25%
Age 18+	419	75%
Age 65+	81	14%

Households by Tenure	Number	Percent
Total	236	
Owner Occupied	187	79%
Renter Occupied	49	21%

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.
Source: U.S. Census Bureau, Census 2010 Summary File 1.